

- **Course:** Software Engineering
- **Time & Place:** Tuesday and Thursday 12:00noon-1:45pm, J Baskin Engr 165.
- **Instructor:** Dean Bailey; office: E2 249B; phone: 831-459-1339, e-mail: dbailey@soe.ucsc.edu
- **Teaching Assistant:** Nikhila Arkalgud Narasimha, e-mail: nikhila@soe.ucsc.edu
- **Office Hours:**
  - Bailey: Mondays and Wednesdays, 2:00pm-4:00pm, E2 249B.
- **Textbook:** *Object-Oriented Software Engineering*, by Stephen R. Schach, McGraw-Hill (2008).
- **Syllabus:** The following is a tentative syllabus for the course:
  - Scope of Software Engineering
  - Software Life-Cycle Models
  - The Software Process
  - Requirements Workflow
  - Analysis Workflow
  - Design Workflow
  - Teams
  - Tools of the trade
  - UML
  - Implementation Workflow
  - Inspections
  - Testing
  - Postdelivery Maintenance
  - Reusability and Portability
  - Ethics in Software Engineering
- **Team Project:** Students are required to collaborate in teams of 4-5 people to undertake a significant software engineering project. The software project is structured as a collection of documentation and code deliverables. You are required to complete one of the projects from the following list. The project system is required to run on the machines located in the class lab unless it is one of the SCORE contest projects.
  - The SCORE contest, <http://score.elet.polimi.it/>
  - The textbook's term project - Osric's Office Appliances and Decor
  - A game of your choice
- **Evaluation:** The course work will be weighted as follows: Overall work is divided into two main components, each contributing 50% to the student's grade.
  - Individual work and
  - Team work: the deliverables for the team project.

The individual work component consists of the following parts:

Class participation:	10%
Quizzes:	24%
Project milestone reflection essay:	6%
End-of-chapter problems:	10%

A minimum of 50% on the two components is necessary but not sufficient to pass this class. This means, if you receive less than 50% on any one of the two components, you will not pass. Just because

you receive at least 50% on each part does not imply that you will necessarily pass. You cannot pass this class if you do not do the project. The project is designed to be done by people working together. The in-class quizzes and final exam are to be done by each student, working alone. Students may work together to complete the end-of-chapter problems, however, copying another students' answers is not permitted.

- **Examination and Quiz Schedule:**

1. Final Examination, Wednesday, June 11, 12:00noon-3:00pm
2. There is NO Midterm Examination
3. Quizzes:
  - Quiz 1: Tuesday, April 15
  - Quiz 2: Thursday, May 8
  - Quiz 3: Thursday, May 29

The examination and quiz schedule is fixed. In particular, requests for changes in the schedule will not be accommodated; if you have conflicts with this schedule, please do not enroll in the class. Also, *no* time extension will be given for late arrivals on quiz day or examination day.

- **Academic Integrity:** No form of academic dishonesty will be tolerated. Incidents of academic dishonesty will be reported according to UCSC's policy on academic integrity, the full text of which can be found at <http://oasas.ucsc.edu/avcue/integrity>. Specifically for this class, if you are caught turning in work as your own, that is not solely your own, or assisting others in doing so, a formal written report will be sent to your Department, the School of Engineering, and to your Provost and academic preceptor. Furthermore you will get a failing grade for the course and the incident will be noted in your evaluation.

- **Miscellanea**

- All homework assignments are to be handed in at the beginning of Class on due date.
- Solutions to homework problems will be presented in the discussion sections or class. They will not be posted.
- We will provide solutions to the problems in the quizzes after the grading has been completed.
- We will *not* distribute or post "sample" examination problems or "sample" quiz problems.

- **Aknowledgements:** Material for the class website and lectures has been taken from cmps115 websites of Cormac Flanagan, Alex Aiken, George Necula, Eri Brewer, Jim Whitehead and Linda Werner. Thanks!!